

**IN THE CLAIMS:**

Please re-write the claims to read as follows:

- 1           1. (Previously presented) A method for use in a computer network having a proc-  
2           ess manager and a network management station for reporting to the network management  
3           station the addition of new applications or processes to the computer network, the method  
4           comprising the steps of:  
5               providing a configuration service layer in communicating relationship with a new  
6           application or process and the process manager;  
7               in response to opening the new application or process, issuing a registration ser-  
8           vice request from the new application or process to the process manager through the con-  
9           figuration service layer;  
10          establishing a method at the network management station for persistently and con-  
11          tinuously listening for messages from the process manager;  
12          in response to receiving the registration service request at the process manager,  
13          generating and forwarding a notification message that identifies the new application or  
14          process to the network management station; and  
15          automatically displaying the notification message at the network management sta-  
16          tion without having to close and re-start the management station.

1           2. (Original) The method of claim 1 further comprising the steps of:  
2           creating a process manager window at the network management station that dis-  
3           plays a list of applications and processes opened in the computer network; and  
4           in response to receiving the notification message, adding the new application or  
5           process to the list of applications and processes displayed in the process manager win-  
6           dow.

1           3. (Original) The method of claim 2 further comprising the step of displaying a  
2           status, a start time and a location of the new application or process, within the process  
3           manager window, based on information from the received notification message.

1           4. (Original) The method of claim 3 wherein the status includes one of up, down,  
2           started, not started, and unknown.

1           5. (Original) The method of claim 4 wherein the new application or process has  
2           parameters associated with at least one of configure, control, diagnose and status func-  
3           tions, the method further comprising the steps of:  
4           in response to selecting the new application or process from the process manager  
5           window, displaying at least one of configure, control, diagnose and status buttons associ-  
6           ated with the new application or process; and

7           in response to selecting one of the displayed configure, control, diagnose and  
8 status buttons, obtaining a respective configure, control, diagnose and status object from  
9 the new application or process; and

10           displaying the obtained configure, control, diagnose and status object at the net-  
11 work management station.

1           6. (Original) The method of claim 5 further comprising the step of modifying the  
2 respective parameters of the new application or process automatically and dynamically in  
3 response to manipulations of the configure, control, diagnose and status object displayed  
4 at the network management station.

1           7. (Original) A computer readable medium containing executable program in-  
2 structions for automatically and dynamically informing a network management station  
3 that is disposed within a computer network of a new application or process being opened,  
4 the computer network further including a process manager, the executable program in-  
5 structions comprising program instructions for:

6           establishing a configuration service layer in communicating relationship with the  
7 new application or process and the process manager;

8           in response to opening the new application or process, issuing a registration ser-  
9 vice request from the new application or process to the process manager through the con-  
10 figuration service layer;

11           establishing a method at the network management station for persistently and con-  
12 tinuously listening for messages from the process manager;  
13           in response to receiving the registration service request at the process manager,  
14 generating and forwarding a notification message that identifies the new application or  
15 process to network management station; and  
16           automatically and dynamically displaying the notification message at the network  
17 management station.

1           8. (Previously Presented) A computer workstation for use in a computer network  
2 having at least one process manager, the workstation comprising:  
3           at least one application or process;  
4           a network communication facility;  
5           a user interface application; and  
6           a configuration service layer in communicating relationship with the at least one  
7 application or process and the network communications facility,  
8 wherein the at least one application or process and the configuration service layer coop-  
9 erate to generate and issue, through the network communication facility, a registration  
10 service request to the at least one process manager upon opening of the at least one appli-  
11 cation or process at the computer workstation and wherein the process manager is con-  
12 figured to generate and forward a notification message that identifies the new application  
13 or process to the user interface application in response to receiving the registration ser-  
14 vice request.

1           9. (Previously presented) The method of claim 1 further comprising the steps of:  
2           detecting a new device added to the network; and  
3           upon detecting the new device, generating a second notification object; and  
4           passing the second notification object to the network management station.

1           10. (Previously presented) The method of claim 9 further comprising the step of  
2           in response to receiving the second notification object, displaying a name and a location  
3           associated with the new device at the network management station.

1           11. (Previously presented) A computer readable medium as defined in claim 7  
2           further comprising program instructions for:  
3           creating a process manager window at the network management station wherein  
4           the process manager window displays a list of applications and processes opened in the  
5           computer network; and  
6           in response to receiving the notification message, adding the new application or  
7           process to the list of applications and processes displayed in the process manager win-  
8           dow.

1           12. (Previously presented) A computer readable medium as defined in claim 11  
2           wherein the new application or process has parameters associated with at least one of

3 configure, control, diagnose and status functions, the computer readable medium further  
4 comprising program instructions for:

5 in response to selecting the new application or process from the process manager  
6 window, displaying at least one of configure, control, diagnose and status buttons associ-  
7 ated with the new application or process; and

8 in response to selecting one of the displayed configure, control, diagnose and  
9 status buttons, obtaining a respective configure, control, diagnose and status object from  
10 the new application or process; and

11 displaying the obtained configure, control, diagnose and status object at the net-  
12 work management station.

1 13. (Canceled).

1 14. (Currently amended) A computer workstation as defined in claim ~~13~~ 8 further  
2 wherein the user interface application is configured to receive the notification message  
3 and display the notification message at the network management station without having  
4 to close and re-start the management station.

1 15. (Previously presented) A computer workstation as defined in claim 8 further  
2 comprising a topology server configured to detect a new device added to the network  
3 and, upon detecting the new device, to issue a notification object to a user application in-  
4 terface.

1           16. (Previously presented) A system for dynamically modifying the configura-  
2 tion, settings and other parameters associated with one or more applications or processes  
3 running in a computer network, the system comprising:

4           means for registering with a process manager upon opening an application or pro-  
5 cess;

6           means for generating a notification object upon the registration of an opened ap-  
7 plication or process, wherein the notification object contains a reference identifying the  
8 opened application or process;

9           means for passing the notification object to one or more user interface applica-  
10 tions; and

11           means for presenting the notification object in one or more user interface applica-  
12 tions without having to close and re-start the respective user interface application.

1           17. (Previously presented) A system as defined in claim 16 wherein each user in-  
2 terface application contains one or more windows, the system further comprising:

3           means for displaying the notification object in one or more windows contained in  
4 one or more user interface applications.

1           18. (Previously presented) A system as defined in claim 16 further comprising:

2           means for creating a process manager window that displays a list of applications  
3 and processes opened in the computer network; and

4 means for adding an application or process to the list of applications and proc-  
5 esses displayed in the process manager window in response to receiving the notification  
6 object.

1 19. (Previously presented) A system as defined in claim 18 comprising:

2 means for displaying at least one of configure, control, diagnose and status but-  
3 tons associated with an application or process in response to selecting the application or  
4 process from the process manager window;

5 means for obtaining a respective configure, control, diagnose and status object  
6 from the new application or process in response to selecting one of the displayed config-  
7 ure, control, diagnose and status buttons; and

8 means for displaying the obtained configure, control, diagnose and status object.

1 20. (Previously presented) A system as defined in claim 16 comprising:

2 means for detecting a new device added to the network; and

3 means for issuing a service request to a user application interface upon detecting  
4 the new device, wherein the service request contains a name identifying the new device.

1 21. (Previously presented) A system as defined in claim 20 further comprising:

1 means for receiving the service request at a user application; and

2 means for adding the name identifying the new device to a list of devices dis-  
3 played in a window presented on a display screen of a workstation.



1           22. (Previously Presented) A method for management of application processes in  
2 a computer network, comprising:

3           adding a new application process to execute on a server computer;

4           transmitting by the new application process, in response to the new application  
5 process being added, a registration service request to a process manager software execut-  
6 ing on a workstation;

7           receiving the registration service request by the workstation; and

8           identifying by management software executing on the workstation that the new  
9 application process is executing on the server computer.

1           23. (Previously Presented) The method as in claim 22, further comprising:

2           transmitting the registration service request over a computer network to the work-  
3 station.

1           24. (Previously Presented) The method as in claim 22, further comprising:

2           automatically displaying, in response to receiving the registration service request,  
3 an indication that the new application process is executing on the server computer with-  
4 out having to close and re-start the management software.

1           25. (Previously Presented) A system for management of application processes in  
2 a computer network, comprising:

3           means for adding a new application process to execute on a server computer;

4

5           means for transmitting by the new application process, in response to the new ap-  
6 plication process being added, a registration service request to a process manager soft-  
7 ware executing on a workstation;

8           means for receiving the registration service request by the workstation; and

9           means for identifying by management software executing on the workstation that  
10 the new application process is executing on the server computer.

1           26. (Previously Presented) The system as in claim 25, further comprising:

2           means for transmitting the registration service request over a computer network to  
3 the workstation.

1           27. (Previously Presented) The system as in claim 26, further comprising:

2           means for automatically displaying, in response to receiving the registration ser-  
3 vice request, an indication that the new application process is executing on the server  
4 computer without having to close and re-start the management software.

1           28. (Previously Presented)

2 A system for management of application processes in a computer network, comprising:  
3 a server computer, the server computer having a new application process added to  
4 execute on the server computer;  
5 a workstation;  
6 a network communication facility to transmit by the server computer, in response  
7 to the new application process being added, a registration service request to a process  
8 manager software executing on the workstation; and  
9 management software executing on the workstation, in response to receiving the  
10 registration service request, the management software identifying that the new applica-  
11 tion process is executing on the server computer.

1 29. (Previously Presented) The system as in claim 28, further comprising:  
2 the network communication facility transmitting the registration service request  
3 over a computer network to the workstation.

1 30. (Previously Presented) The system as in claim 28, further comprising:  
2 the workstation automatically displaying by the management software, in re-  
3 sponse to the workstation receiving the registration service request, an indication that the  
4 new application process is executing on the server computer without having to close and  
5 re-start the management software.

1           31. (Previously Presented) A computer readable media, comprising:  
2           said computer readable media having instructions written thereon for execution on  
3 a processor for the practice of a method for management of application processes in a  
4 computer network, having the steps,  
5           adding a new application process to execute on a server computer;  
6           transmitting by the new application process, in response to the new application  
7 process being added, a registration service request to a process manager software execut-  
8 ing on a workstation;  
9           receiving the registration service request by the workstation; and  
10          identifying by management software executing on the workstation that the new  
11 application process is executing on the server computer.

1           32. (Previously Presented) Electromagnetic signals propagating on a computer  
2 network, comprising:  
3           said electromagnetic signals carrying instructions for execution on a processor for  
4 the practice of a method for management of application processes in a computer network,  
5 the method having the steps of,  
6           adding a new application process to execute on a server computer;  
7           transmitting by the new application process, in response to the new application  
8 process being added, a registration service request to a process manager software execut-  
9 ing on a workstation;  
10          receiving the registration service request by the workstation; and

11 identifying by management software executing on the workstation that the new  
12 application process is executing on the server computer.

1 33. (Previously Presented) A method for operating a workstation, comprising:  
2 executing a management software on the workstation;  
3 receiving a registration service request by the workstation from a server computer,  
4 the registration service request transmitted by a new application process, the new applica-  
5 tion process transmitting the registration service request in response to being added to the  
6 server computer to execute on the server computer; and

7 identifying by the management software executing on the workstation that the  
8 new application process is executing on the server computer.

1 34. (Previously Presented) The method as in claim 33, further comprising:  
2 receiving the registration service request over a computer network from the server  
3 computer.

1 35. (Previously Presented) The method as in claim 33, further comprising:  
2 automatically displaying, in response to receiving the registration service request,  
3 an indication that the new application process is executing on the server computer with-  
4 out having to close and re-start the management software.

1 36. (Previously Presented) A computer workstation, comprising:

2 means for executing a management software on the workstation;

3 means for receiving a registration service request by the workstation from a server  
4 computer, the registration service request transmitted by a new application process, the  
5 new application process transmitting the registration service request in response to being  
6 added to the server computer to execute on the server computer; and

7 means for identifying by the management software executing on the workstation  
8 that the new application process is executing on the server computer.

1 37. (Previously Presented) The workstation as in claim 36, further comprising:

2 means for receiving the registration service request over a computer network from  
3 the server computer.

1 38. (Previously Presented) The workstation as in claim 36, further comprising:

2 means for automatically displaying, in response to receiving the registration ser-  
3 vice request, an indication that the new application process is executing on the server  
4 computer without having to close and re-start the management software.

1 39. (Previously Presented) A computer workstation, comprising:

2 a management software executing on the workstation;

3 a network communication facility to receive a registration service request by the  
4 workstation from a server computer, the registration service request transmitted by a new  
5 application process, the new application process transmitting the registration service re-

6 quest in response to being added to the server computer to execute on the server com-  
7 puter; and

8 the management software identifying, in response to receiving the registration  
9 service request, that the new application process is executing on the server computer.

1 40. (Previously Presented) The workstation as in claim 39, further comprising:

2 a network communications facility to receive the registration service request over  
3 a computer network from the server computer.

1 41. (Previously Presented) The workstation as in claim 39, further comprising:

2 the management software automatically displaying, in response to receiving the  
3 registration service request, an indication that the new application process is executing on  
4 the server computer without having to close and re-start the management software.

1 42. (Previously Presented) A computer readable media, comprising:

2 said computer readable media having instructions written thereon for execution on  
3 a processor for the practice of a method for operating a workstation, the method having  
4 the steps of,

5 executing a management software on the workstation;

6 receiving a registration service request by the workstation from a server computer,

7 the registration service request transmitted by a new application process, the new applica-

8 tion process transmitting the registration service request in response to being added to the  
9 server computer to execute on the server computer; and  
10 identifying by the management software executing on the workstation that the  
11 new application process is executing on the server computer.

1 43. (Previously Presented) Electromagnetic signals propagating on a computer  
2 network, comprising:  
3 said electromagnetic signals carrying instructions for execution on a processor for  
4 the practice of a method for operating a workstation, the method having the steps of,  
5 executing a management software on the workstation;  
6 receiving a registration service request by the workstation from a server computer,  
7 the registration service request transmitted by a new application process, the new applica-  
8 tion process transmitting the registration service request in response to being added to the  
9 server computer to execute on the server computer; and  
10 identifying by the management software executing on the workstation that the  
11 new application process is executing on the server computer.

1 44. (Previously Presented) A method for operating a server computer, comprising:  
2 adding a new application process to execute on the server computer; and  
3 transmitting by the new application process, in response to the new application  
4 process being added, a registration service request to a workstation, the workstation con-



5 figured to identify, upon receipt of the registration service request, that the new applica-  
6 tion process is executing on the server computer.

1 45. (Previously Presented) The method as in claim 44, further comprising:  
2 transmitting the registration service request over a computer network to the work-  
3 station.

1 46. (Previously Presented) A server computer, comprising:  
2 means for adding a new application process to execute on the server computer;  
3 and  
4 means for transmitting by the new application process, in response to the new ap-  
5 plication process being added, a registration service request to a workstation, the work-  
6 station configured to identify, upon receipt of the registration service request, that the  
7 new application process is executing on the server computer.

1 47. (Previously Presented) The server computer as in claim 46, further compris-  
2 ing:  
3 means for transmitting the registration service request over a computer network to  
4 the workstation.

1 48. (Previously Presented) A server computer, comprising:

2 an interface to a new network device, the new network device having a new ap-  
3 plication process to execute on the server computer; and

4 a network communication facility to transmit by the new application process, in  
5 response to the new application process being added to the server computer, a registra-  
6 tion service request to a workstation, the workstation configured to identify, upon receipt  
7 of the registration service request, that the new application process is executing on the  
8 server computer.

1 49. (Previously Presented) The server computer as in claim 48, further compris-  
2 ing:

3 the network communications facility to transmit the registration service request  
4 over a computer network to the workstation.

1 50. (Previously Presented) A computer readable media, comprising:

2 said computer readable media having instructions written thereon for execution on  
3 a processor for the practice of a method for operating a server computer, the method hav-  
4 ing the steps of,

5 adding a new application process to execute on the server computer; and

6 transmitting by the new application process, in response to the new application  
7 process being added, a registration service request to a workstation, the workstation con-  
8 figured to identify, upon receipt of the registration service request, that the new applica-  
9 tion process is executing on the server computer.

1           51. (Previously Presented) Electromagnetic signals propagating on a computer  
2 network, comprising:

3           said electromagnetic signals carrying instructions for execution on a processor for  
4 the practice of a method for operating a server computer, the method having the steps of,  
5           adding a new application process to execute on the server computer; and

6           transmitting by the new application process, in response to the new application  
7 process being added, a registration service request to a workstation, the workstation con-  
8 figured to identify, upon receipt of the registration service request, that the new applica-  
9 tion process is executing on the server computer.